

CLAIMS

We claim:

5           1.       A method for a server to handle one or more client requests comprising:  
obtaining one or more of said client requests for hierarchically organized data at a server;  
dividing said client requests into one or more smaller units; and  
servicing said units in order.

10          2.       The method of claim 1 wherein said client requests are in XML format.

              3.       The method of claim 1 wherein said hierarchically organized data is stored  
using a Document Object Model.

15          4.       The method of claim 1 wherein said smaller units are placed in a queue.

              5.       The method of claim 1 wherein said server is a registry server.

20          6.       The method of claim 4 wherein said queue is handled using a FIFO  
scheduling algorithm.

              7.       The method of claim 1 wherein said units are defined by an XML  
<envelope>and an XML </envelope>tag.

8. A computer program product comprising:  
a computer usable medium having computer readable program code embodied  
therein configured to cause a server to handle one or more client requests comprising:  
computer readable code configured to cause a computer to obtain one or more of  
5 said client requests for hierarchically organized data at a server;  
computer readable code configured to cause a computer to divide said client requests  
into one or more smaller units; and  
computer readable code configured to cause a computer to service said units in  
order.

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9. The computer program product of claim 8 wherein said client requests are in  
XML format.

10. The computer program product of claim 8 wherein said hierarchically  
15 organized data is stored using a Document Object Model.

11. The computer program product of claim 8 wherein said smaller units are  
placed in a queue.

20 12. The computer program product of claim 8 wherein said server is a registry  
server.

13. The computer program product of claim 11 wherein said queue is handled  
using a FIFO scheduling algorithm.

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14. The computer program product of claim 8 wherein said units are defined by an XML <envelope> and an XML </envelope> tag.

15. A server framework comprising:

- 5 one or more client requests for hierarchically organized data from a server;
- a thread pool object configured to divide said requests into one or more smaller units; and
- one or more worker objects configured to service said units in order.

16. The server framework of claim 15 wherein said client requests are in XML

10 format.

17. The server framework of claim 15 wherein said hierarchically organized data is stored using a Document Object Model.

15 18. The server framework of claim 15 wherein said smaller units are placed in a queue.

19. The server framework of claim 15 wherein said server is a registry server.

20 20. The server framework of claim 18 wherein said queue is handled using a FIFO scheduling algorithm.

21. The server framework of claim 15 wherein said units are defined by an XML <envelope> and an XML </envelope> tag.

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22. A system for implementing a server framework comprising:  
one or more requests for hierarchically organized data transmitted from a client to a  
server;  
a thread pool object configured to divide said requests into one or more smaller  
5 units; and  
one or more worker objects configured to service said units in order.

23. The system of claim 22 wherein said requests are in XML format.

10 24. The system of claim 22 wherein said hierarchically organized data is stored  
using a Document Object Model.

25. The system of claim 22 wherein said smaller units are placed in a queue.

15 26. The system of claim 22 wherein said server is a registry server.

27. The system of claim 25 wherein said queue is handled using a FIFO  
scheduling algorithm.

20 28. The system of claim 22 wherein said units are defined by an XML  
<envelope> and an XML </envelope> tag.

29. An apparatus comprising:  
one or more requests for hierarchically organized data transmitted from a client to a  
25 server;

a thread pool object configured to divide said requests into one or more smaller units; and

one or more worker objects configured to service said units in order.

5           30.     The apparatus of claim 29 wherein said requests are in XML format.

31.     The apparatus of claim 29 wherein said hierarchically organized data is stored using a Document Object Model.

10          32.     The apparatus of claim 29 wherein said smaller units are placed in a queue.

33.     The apparatus of claim 29 wherein said server is a registry server.

15          34.     The apparatus of claim 32 wherein said queue is handled using a FIFO scheduling algorithm.

35.     The apparatus of claim 29 wherein said units are defined by an XML <envelope> and an XML </envelope> tag.

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